Attorney Docket No: IMMR-063/00US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Juan Manuel CRUZ-HERNANDEZ et al. Examiner: Unassigned

Serial No. 10/792,279 Art Unit: 2675

Confirmation No.: 4217

Filed: March 4, 2004

For: HAPTIC DEVICES HAVING MULTIPLE OPERATIONAL MODES

INCLUDING AT LEAST ONE RESONANT MODE

U.S. Patent and Trademark Office 220 20th Street South Customer Window, Mail Stop Missing Parts Crystal Plaza Two, Lobby, Room 1B03 Arlington, VA 22202

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Enclosed is an Information Disclosure Statement and accompanying Form PTO/SB/08A for the above-identified patent application.

[x]	In accordance with 37 C.F.R. §1.97(b), no additional fee for submission of the IDS is required.					
[]	In accordance with 37 C.F.R. §1.97(c), also enclosed is:					
	[] the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p); or					
	[] a statement as specified in 37 C.F.R. §1.97(e).					
[]	In accordance with 37 C.F.R. §1.97(d), a statement as specified in 37 C.F.R. § 1.97(e) and the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) are also enclosed.					
[]	Check No in the amount of \$ for the total fee is attached.					
[x]	A return receipt postcard is also enclosed.					
	Please charge \$ to Deposit Account No. 50-1283 for the total fee. This paper is being submitted in duplicate.					

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The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 50-1283.

Dated: September 14, 2004

Cooley Godward LLP ATTN: Patent Group One Freedom Square Reston Town Center 11951 Freedom Drive Reston, VA 20190-5656

Tel: (703) 456-8000 Fax: (703) 456-8100

216999 v1/RE 4NFR01!.DOC Respectfully submitted, COOLEY GODWARD LLP

By:

Erik B. Milch Reg. No. 42,887

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Juan Manuel CRUZ-HERNANDEZ et al. Examiner: Unassigned

Serial No. 10/792,279 Art Unit: 2675

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publication.

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56, Applicant(s) hereby submits the following information in conformance with 37 C.F.R. §\$1.97 and 1.98.

[]	Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08A is provided on the enclosed CD.
[x]	No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. 10/301,809, filed on November 22, 2002 to which the above-identified application claims priority under 35 U.S.C. §120.
[]	No copies of any U.S. patents or U.S. patent application publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98 because this application was filed after June 30, 2003.
[]	Publication(s) listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to application serial no and mailed on
[]	Enclosed is a copy of a non-English publication(s) Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
n	Enclosed is a copy of a non-English publication(s) . English language

publication ___ (copy enclosed) claims priority from this non-English

Attorney Docket No.: IMMR-063/00US Serial No.: 10/792,279

Page	2
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[]		Enclosed is an explanation of non-English publication(s) for which an English translation is not available.							
[]		Enclosed is an English translation of non-English publication(s) cited in the attached Form PTO/SB/08A.							
[]	Enclos	sed is a copy of pending pate	ent Appl	ication Serial No					
This l time periods:	This Information Disclosure Statement is filed within any one of the following time periods:								
	[]	within three months from the other than a CPA under 37	_	date of this national application \$ 1.53(d);					
	[]	within three months from the set forth in 37 C.F.R. §1.49		of entry of the national stage as s international application;					
	[x]	before the mailing date of a	a first of	fice action on the merits; or					
	[]	before the mailing of a first request for continued exam							
It is re	espectfu	lly requested that the Examin	ner cons	ider the above-noted					
information a	ınd retur	n an initialed copy of the att	ached Fo	orm PTO/SB/08A to the					
undersigned.									
Dated: Septem	Dated: September 14, 2004 Respectfully submitted, COOLEY GODWARD LLP								
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Reston Town 11951 Freedo		•		Erik B. Milch					
				Reg. No. 42,887					
. •	Reston, Virginia 20190-5656 (703) 456-8000								

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

10 Sheet

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Complete if Known						
Application Number	10/792,279					
Filing Date	March 4, 2004					
First Named Inventor	Juan Manuel CRUZ-HERNANDEZ					
Art Unit	2675					
Examiner Name	Not Yet Assigned					
Attorney Docket Number	IMMR063/00					

			U.S. PATENT DO	CUMENTS	
		Document Number	-		
Examiner	Cite No.1	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		6,585,595	07-01-2003	Soma	
_		6,433,771	08-2002	Yocum et al.	
		6,424,333	07-23-2002	Tremblay	
		6,422,941	7/23/2002	Thorner et al.	
		6,317,032	11-13-2001	Oishi	
		6,275,213	08-14-2001	Tremblay	
		6,211,861	04-03-2001	Rosenberg	
		6,198,206	03-06-2001	Saarmaa	
		6,184,868	02-06-2001	Shahoian	
		6,181,318	01-2001	Lim	
		6,160,489	12/12/2000	Perry et al.	
		6,111,577	8/29/2000	Zilles et al.	
		6,104,158	08-15-2000	Jacobus	
		6,088,019	07-11-2000	Rosenberg	
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		6,078,126	06-20-2000	Rollins	
		6,046,726	04-2000	Keyson	
		6,044,646	04-04-2000	Silverbrook	
		6,004,134	12-21-1999	Marcus	
		6,001,014	12-14-1999	Ogata	
		5,986,643	11-16-1999	Harvill	
		5,984,880	11-16-1999	Lander	
		5,973,670	10-26-1999	Barber	
		5,945,772	08-31-1999	Macnak	
		5,914,705	06-22-1999	Johnson	
		5,914,705	06-1999	Johnson et al.	
		5,897,437	04-27-1999	Nishiumi	
		5,894,263	04-13-1999	Shimakawa	
		5,889,672	03-30-1999	Schuler	
		5,857,986	01-12-1999	Moriyasu	
		5,828,363	10-1998	Yaniger et al.	
		5,805,140	09-08-1998	Rosenberg	
		5,790,108	08-04-1998	Salcudean	

Examiner	Date	
Signature	 Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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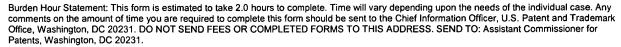
Substitute	e for form 1449	A/PTO			Complete if Known		
				Application Number	10/792,279		
INFO	RMATI	on dis	CLOSURE	Filing Date	March 4, 2004		
STATEMENT BY APPLICANT (use as many sheets as necessary)			PPLICANT	First Named Inventor	Juan Manuel CRUZ-HERNANDEZ		
				Art Unit	2675		
			necessary)	Examiner Name	Not Yet Assigned		
Sheet	2	of	10	Attorney Docket Number	IMMR063/00		

	U.S. PATENT DOCUMENTS							
		Document Number		, i	,			
Examiner	Cite No.1	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
		5,785,630	07/28/1998	Bobick, et al.				
		5,784,052	07-21-1998	Keyson				
		5,781,172	07-14-1998	Engel				
		5,766,016	06/16/1998	Sinclair et al.				
		5,754,023	05-19-1998	Roston				
		5,742,278	04-21-1998	Chen	• • • • • • • • • • • • • • • • • • • •			
		5,739,811	04-14-1998	Rosenberg				
		5,736,978	04-07-1998	Hasser				
		5,734,373	03-31-1998	Rosenberg				
		5,714,978	02-03-1998	Yamanaka				
		5,709,219	01-20-1998	Chen				
		5,690,582	11/25/1997	Ulrich et al.	-			
		5,689,285	11-1997	Asher				
		5,684,722	11-04-1997	Thorner				
		5,669,818	09-23-1997	Thorner				
		5,661,446	08-26-1997	Anderson				
		5,643,087	07-01-1997	Marcus				
	-	5,631,861	05-20-1997	Kramer				
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		5,589,828	12-1996	Armstrong				
		5,587,937	12-24-1996	Massie				
		5,583,478	12-10-1996	Renzi				
		5,580,251	12-03-1996	Gilkes				
		5,575,761	11/19/1996	Hajianpour				
		5,565,840	10-15-1996	Thorner				
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		5,440,183	08-08-1995	Denne				
		5,437,607	8/1/1995	Taylor				
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		5,405,152	04-11-1995	Katanics				
		5,399,091	03-21-1995	Mitsumoto				

	 -	
Examiner	Date	
Signature	Considered	

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PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE				Complete if Known		
				Application Number	10/792,279	
				Filing Date	March 4, 2004	
STATEMENT BY APPLICANT		First Named Inventor	Juan Manuel CRUZ-HERNANDEZ			
(use as many sheets as necessary)				Art Unit	2675	
			necessary)	Examiner Name	Not Yet Assigned	
Sheet	3	of	10	Attorney Docket Number	IMMR063/00	

			U.S. PATENT DO	CUMENTS	
		Document Number			
Examiner	Cite No.1	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,388,992	02-14-1995	Franklin	
		5,354,162	10-11-1994	Burdea	
		5,334,027	08/02/1994	Wherlock	
		5,309,140	05/03/1994	Everett, Jr., et al.	
		5,299,810	04/05/1994	Pierce et al.	
		5,296,871	03-22-1994	Paley	
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		5,275,174	01/04/1994	Cook	
		5,271,290	12/21/1993	Fischer	
		5,261,291	11-1993	Schoch et al.	
		5,240,417	08/31/1993	Smithson et al.	
		5,227,594	07-1993	Russo	
		5,212,473	05/18/1993	Louis	
		5,203,563	04-20-1993	Loper, III	
		5,186,695	2/16/1993	Mangseth et al.	
		5,186,629	02-16-1993	Rohen	
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		5,175,459	12/29/1992	Danial et al.	
		5,172,092	12-15-1992	Nguyen et al.	
		5,165,897	11/24/1992	Johnson	
		5,146,566	09-08-1992	Hollis Jr.	
		5,107,262	04-21-1992	Cadoz	
		5,103,404	04-07-1992	McIntosh	
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		5,038,089	08/06/1991	Szakaly	
		5,035,242	07/30/1991	Franklin et al.	
		5,022,407	06/11/1991	Horch et al.	
		5,022,384	6/11/1991	Freels	
		5,019,761	05/28/1991	Kraft	
		4,934,694	06/19/1990	McIntosh	
		4,930,770	06/05/1990	Baker	-
		4,891,764	01/02/1990	McIntosh	
		4,885,565	12/5/1989	Embach	

Examiner	Date	
Signature	Considered	
Signature		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449A/PTO					Complete if Known
				Application Number	10/792,279
INFO	RMATION I	DIS	CLOSURE	Filing Date	March 4, 2004
STAT	TEMENT BY	/ AF	PPLICANT	First Named Inventor Juan Manuel CRUZ-HERNANDEZ	
				Art Unit	2675
_	(use as many shee	ets as	necessary)	Examiner Name	Not Yet Assigned
Sheet	4	of	10	Attorney Docket Number	IMMR063/00

			U.S. PATENT DO	CUMENTS	
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Examiner	Cite No.1	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
		4,885,565	12-05-1989	Embach	
-		4,868,549	09-19-1989	Merril	
		4,795,296	01-03-1989	Jau	
		4,794,392	12/27/1988	Selinko	
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***		4,713,007	12/15/1987	Alban	-
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		4,464,117	8/7/1984	Foerst	
		4,459,440	07-1984	Wiczer	
	-	4,414,984	11-15-1983	Zarudiansky	
		4,382,166	05-1993	Kim	
		4,333,070	6/1/1982	Barnes	
		4,262,549	4/21/1981	Schwellenbach	
		4,236,325	12/02/1980	Hall et al.	
		4,127,752	11/28/1978	Lowthorp	
		4,160,508	07/10/1979	Salisbury, Jr.	
		3,919,691	11-11-1975	Noll	
****		3,911,416	10/07/1975	Feder	
		3,903,614	09/09/1975	Diamond et al.	
		3,902,687	09/02/1975	Hightower	
		3,623,064	11/23/1971	Kagan	
		3,517,446	06/30/1970	Corlyon et al.	
		3,497,668	02/24/1970	Hirsch	
-		3,220,121	11/30/1965	Cutler	
		3,157,853	11/17/1964	Hirsch	
		2002/0142701	10-2002	Rosenberg	
		2002/0030663	03-14-2002	Tierling	

Examiner	Date	
	Date	
Signature	Considered	
Cignature	Oonsidered	

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Substitut	e for form 1449A/PT0)			Complete if Known
				Application Number	10/792,279
INFC	PRMATION	DIS	CLOSURE	Filing Date	March 4, 2004
STA	TEMENT B	Y AF	PPLICANT	First Named Inventor	Juan Manuel CRUZ-HERNANDEZ
				Art Unit	2675
	(use as many she	ets as	necessary)	Examiner Name	Not Yet Assigned
Sheet	5	of	10	Attorney Docket Number	IMMR063/00

			U.S. PATENT DO	OCUMENTS	
		Document Number			
Examiner	Cite No. ¹	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		2001/0026264	10-2001	Rosenberg	
		2,972,140	2/14/1961	Hirsch	
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Examiner Signature		· · · · · · · · · · · · · · · · · · ·		Date Considered	

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Substitut	e for form 1449A/PTO			Complete if Known
			Application Number	10/792,279
INFC	PRMATION	DISCLOSURE	Filing Date	March 4, 2004
STA	TEMENT BY	/ APPLICANT	First Named Inventor	Juan Manuel CRUZ-HERNANDEZ
			Art Unit	2675
	(use as many shee	ets as necessary)	Examiner Name	Not Yet Assigned
Sheet	6	of 10	Attorney Docket Number	IMMR063/00

Examine	0	F	oreign Patent Docu	ment	Publication	Name of Patentee or	Pages, Columns, Lines,
r Initials*	Cite No. ¹	Country Code ³	Number ⁴	Kind Code ⁵ (if known)	Date MM-DD- YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear
		JP	H2-185278		7-19-1990	Taito Corporation	
		JP	H4-8381		01-13-1992	Epoch Co. and Key- Planning Co.	
		JP	H7-24147		01-27-1995	Sega Corporation	
		JP	H5-192449		08-03-1993	Taito Corporation	
		wo	9200559		01-09-1992	Immersion Corp.	
		wo	0124158		04-05-2001	Immersion Corp.	
		wo	0103105	A1	1-11-2001	Immersion Corp.	
		wo	0113354	A1	2-22-2001	Immersion Corp.	
			0 349 086	A1	01-03-1990	Stork Kwant B.V.	

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
		PATRICK, "Design, Construction, and Testing of a Fingertip Tactile Display for Interaction with Virtual and Remote Environments," <i>Master of Science Thesis</i> , MIT, Aug. 1990, archived Nov. 8, 1990.			
		CALDER, "Design of A Force-Feedback Touch-Introducing Actuator For Teleoperator Robot Control," Bachelor of Science Thesis, MIT, May 1983, archived June 23, 1983.			
-		WIKER, "Teletouch Display Development: Phase 1 Report," <i>Technical Report 1230</i> , Naval Ocean Systems Center, San Diego, July 1988.			
		BLISS, "Optical-to-Tactile Image Conversion for the Blind," IEEE Transactions on Man-Machine Systems, Vol. MMS-11, No. 1, March 1970.			

Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				Application Number	10/792,279
INFO	DRMATION	DIS	CLOSURE	Filing Date	March 4, 2004
STA	TEMENT BY	Y Al	PPLICANT	First Named Inventor	Juan Manuel CRUZ-HERNANDEZ
				Art Unit	2675
	(use as many she	ets as	necessary)	Examiner Name	Not Yet Assigned
Sheet	7	of	10	Attorney Docket Number	IMMR063/00

_	1	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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Substitute for form 1449A/PTO				Complete if Known		
				Application Number	10/792,279	
INFO	RMATION	DISC	LOSURE	Filing Date	March 4, 2004	
STAT	STATEMENT BY APPLICANT			First Named Inventor	Juan Manuel CRUZ-HERNANDEZ	
				Art Unit	2675	
(use as many sheets as necessary)			ecessary)	Examiner Name	Not Yet Assigned	
Sheet	8	of '	10	Attorney Docket Number	IMMR063/00	

-	,	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS			
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